

**To:** "Robert Law" [rlaw@demaximis.com]  
**Cc:** "Doug Simmons" [doug.simmons@aecom.com]; Marcia Greenblatt" [mgreenblatt@integral-corp.com]  
**Bcc:** []  
**From:** CN=Stephanie Vaughn/OU=R2/O=USEPA/C=US  
**Sent:** Wed 8/22/2012 12:41:07 PM  
**Subject:** Re: Fwd: RE: Bathymetry survey, logistics  
[www.aecom.com](http://www.aecom.com)  
<mailto:rlaw@demaximis.com>  
[Vaughn.Stephannie@epamail.epa.gov](mailto:Vaughn.Stephannie@epamail.epa.gov)

Are you planning to use 1 boat for the single-beam surveys and another for the multi-beam? Or will each vessel be used for both types of surveys? We're not saying that 2 boats shouldn't be used, just that we should be cautious of the possibility of vertical offsets of the measurements made between the two boats. Our concern is greater with the latter situation (both boats used for both types of surveys) than the former.

In either case, periodic vessel-to-vessel checks may be worthwhile to ensure that they are recording similar depths.

Thanks

From: "Robert Law" <rlaw@demaximis.com>  
To: Stephanie Vaughn/R2/USEPA/US@EPA  
Cc: "Doug Simmons" <doug.simmons@aecom.com>, "Marcia Greenblatt" <mgreenblatt@integral-corp.com>  
Date: 08/21/2012 08:32 PM  
Subject: Re: Fwd: RE: Bathymetry survey, logistics

I think there is not much choice about using two boats - I think we had to use two separate boats for the RM 10.9 MB and SB surveys in July 2011

>>> Stephanie Vaughn <Vaughn.Stephannie@epamail.epa.gov> 8/21/2012 3:54 PM >>>  
Thanks....I'll have Sharon contact Doug.

We want to set up a call to discuss logistics, including some concerns that Jason raised related to using 2 boats.

From: "Robert Law" <rlaw@demaximis.com>  
To: Stephanie Vaughn/R2/USEPA/US@EPA  
Date: 08/21/2012 03:46 PM  
Subject: Fwd: RE: Bathymetry survey, logistics

FYI

>>> "Simmons, Doug" <doug.simmons@aecom.com> 8/21/2012 3:42 PM >>>

Rob:

We are making some last edits on the multi beam field modification form and will get it to you this afternoon.

Marcia reviewed it this morning and we included her comments in the version we send to you.

CDM can contact me about logistics for the survey. I will either respond or get them to the right person.

Ultimately we will have them talk with Ed DeAngelo at GBA for where to meet the boat.

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edeangelo@gba-inc.com

Stephanie's email says that she understands that we will prepare a QAPP addendum for the single beam portion of the survey. We were thinking we would prepare a field modification form for the single beam portion of the survey and not a QAPP addendum. You also indicated in your Monday morning email that you told Stephanie that we would be preparing field modifications for both the single beam and multi beam surveys. We will prepare whichever document you want, but we think the simpler field modification form is all that we need.

Doug

Doug Simmons

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From: Robert Law [mailto:rlaw@demaximis.com]

Sent: Tuesday, August 21, 2012 2:39 PM

To: Simmons, Doug

Cc: Willard Potter

Subject: Fwd: Bathymetry survey, logistics

Need the Field Modification for the MB....

>>> Stephanie Vaughn <Vaughn.Stephania@epamail.epa.gov> 8/21/2012 10:42 AM >>>

Hi Rob -- is there someone CDM can contact now to discuss logistics for the upcoming bathymetry survey?

I understand that you are preparing a field modification form for the multi-beam portion and a QAPP addendum for the single beam portion. When do you anticipate submitting these?

Thanks